

Form 1449*	Atty. Docket No.: 303.676US2	Serial No. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Gurtej Singh Sandhu et al.	
	Filing Date: Herewith	Group: Unknown

10/28/01  
09/06/96  
08/28/01

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JV	3,900,312	08/19/1975	Terry, J.C., et al.	75	68 B	10/16/72
	4,340,617	07/20/1982	Deutsch, et al.	427	53.1	05/19/80
	4,343,870	08/10/1982	Heller, A., et al.	429	111	09/08/80
	4,359,490	11/16/1982	Lehrer, W.I.	427	95	07/13/81
	4,713,258	12/15/1987	Umemura	427	35	07/03/85
	4,721,631	01/26/1988	Endo, et al.	427	66	03/09/87
	4,751,101	06/14/1988	Joshi, R.V.	427	39	04/30/87
	4,868,005	09/19/1989	Ehrlich, et al.	427	53.1	03/10/88
	4,876,112	10/24/1989	Kaito, et al.	427	38	03/27/87
	4,884,123	11/28/1989	Dixit, P., et al.	357	71	02/19/87
	4,923,717	05/08/1990	Gladfelter, et al.	427	252	03/17/89
	4,957,777	09/18/1990	Ilderem, V., et al.	427	55	10/12/89
	4,971,655	11/20/1990	Stefano, et al.	156	659.1	12/26/89
	5,005,519	04/01/1991	Egermeier, et al.	118	722	03/14/90
	5,015,330	05/14/1991	Okumura, K., et al.	156	643	02/28/90
	5,022,905	06/11/1991	Grundy, et al.	65	60.51	10/12/89
	5,032,233	07/16/1991	Yu, C., et al.	204	192.28	09/05/90
	5,049,975	09/17/1991	Ajika, N., et al.	357	71	03/12/90
	5,124,780	06/23/1992	Sandhu, G.S., et al.	357	67	06/10/91
	5,136,362	08/04/1992	Grief, et al.	357	67	11/27/90
	5,147,819	09/15/1992	Yu, C., et al.	437	173	02/21/91
	5,173,327	12/22/1992	Sandhu, G.S., et al.	427	573	06/18/91
	5,192,589	03/09/1993	Sandhu, G.S.	427	255.1	09/05/91
	5,196,360	03/23/1993	Doan, T.T., et al.	437	41	04/06/92
	5,202,579	04/13/1993	Fujii, H., et al.	257	751	01/21/92
	5,227,331	07/13/1993	Westmoreland, D.	437	174	02/10/92
	5,227,334	07/13/1993	Sandhu	437	190	10/31/91
	5,232,873	08/03/1993	Geva, M., et al.	437	192	10/13/92
	5,240,739	08/31/1993	Doan, T., et al.	427	126.1	08/07/92
	5,246,881	09/21/1993	Sandhu, G.S., et al.	437	192	04/14/93
	5,252,518	10/12/1993	Sandhu, et al.	437	200	03/03/92
	5,254,499	10/19/1993	Sandhu, G., et al.	437	192	07/14/92
	5,258,096	11/02/1993	Sandhu, et al.	156	643	08/20/92
	5,273,783	12/28/1993	Wanner	427	250	03/24/93
	5,275,715	01/04/1994	Tuttle	205	123	01/23/92
	5,278,100	01/11/1994	Doan, T.T., et al.	437	200	11/08/91
	5,306,951	04/26/1994	Lee, et al.	257	755	05/14/92
	5,320,880	06/14/1994	Sandhu, G.S., et al.	427	578	11/18/93
	5,341,016	08/23/1994	Prall, K.D., et al.	257	412	06/16/93
	5,344,792	09/06/1994	Sandhu, G.S., et al.	437	200	03/04/93
JV	5,374,591	12/20/1994	Hasegawa, T., et al.	437	187	03/23/92

Examiner

*JV Verhaert*

Date Considered

75-02

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**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JV	5,376,405	12/27/1994	Doan, T., et al.	427	126.1	04/15/93
	5,381,302	01/10/1995	Sandhu, G., et al.	361	305	08/10/93
	5,384,284	01/24/1995	Doan, T.T., et al.	437	190	10/01/93
	5,384,289	01/24/1995	Westmoreland, D.L.	437	245	06/17/93
	5,391,410	02/21/1995	Nii, T., et al.	427	578	05/28/93
	5,393,564	02/28/1995	Westmoreland, et al.	427	248.1	05/02/94
	5,399,379	03/21/1995	Sandhu	427	255.2	05/11/94
	5,416,045	05/16/1995	Kauffman, et al.	437	174	02/18/93
	5,425,392	06/20/1995	Thakur, et al.	437	173	05/26/93
	5,453,640	09/26/1995	Kinoshita, Y.	257	520	12/20/94
	5,459,353	10/17/1995	Kanazawa, M.	257	751	01/05/95
	5,496,762	03/05/1996	Sandhu, et al.	437	60	06/02/94
	5,506,166	04/09/1996	Sandhu, G.S., et al.	437	60	09/27/94
	5,508,066	04/16/1996	Akahori, T.	427	571	09/14/94
	5,567,243	10/22/1996	Foster, R.F., et al.	118	730	06/06/95
	5,571,572	11/05/1996	Sandhu, G.	427	585	06/30/94
	5,575,708	11/19/1996	Chau, S., et al.	451	305	07/07/95
	5,595,784	01/21/1997	Kaim, R., et al.	427	255.2	08/18/95
	5,607,722	03/04/1997	Vaartstra, et al.	427	248.1	02/09/96
	5,633,200	05/27/1997	Hu, Y.	438	653	05/24/96
	5,641,545	06/24/1997	Sandhu, G.S.	427	573	06/07/95
	5,644,166	07/01/1997	Honeycutt, J., et al.	257	754	07/17/95
	5,693,557	12/02/1997	Hirao, S., et al.	437	60	01/24/96
	5,747,116	05/05/1998	Sharan, S., et al.	427	534	01/16/96
	5,773,890	06/30/1998	Uchiyama, T., et al.	257	753	08/27/96
	5,828,131	10/27/1998	Cabral, Jr., C., et al.	257	757	01/16/96
	5,834,371	11/10/1998	Ameen, M.S., et al.	438	656	01/31/97
	5,838,052	11/17/1998	McTeer, A.	257	437	03/07/96
	5,956,595	09/21/1999	Zenke, M.	438	398	07/15/97
	5,973,402	10/26/1999	Shinriki, H., et al.	257	768	01/30/97
	5,976,976	11/02/1999	Doan, T.T., et al.	438	683	08/21/97
	6,031,288	02/29/2000	Todorobaru, H., et al.	257	754	11/12/96
	6,120,844	09/19/2000	Chen, L., et al.	427	255.28	03/27/96
JV	6,143,362	11/07/2000	Sandhu, G.S., et al.	427	255.391	02/25/98

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes   No
	0798777	10/01/1997	European	H01L	21/768	
	8-176823	07/09/1996	Japan	C23C	16/02	
	98/34445	08/06/1998	PCT	H05K	3/26	

Examiner

*Jeff Vodraetz*

Date Considered

*7-5-02*

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## FOREIGN PATENT DOCUMENTS

**Examiner					Translatio		
#	Initial	Publication Number	Date	Country	Class	Subclass	Yes

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

JV	Bachmann, P., et al., "Plasma-Assisted Chemical Vapor Deposition Processes", <u>MRS Bulletin</u> , 52-59, (December 1988)
	Bouteville, A., et al., "TiSi <sub>2</sub> Selective Growth in a rapid thermal low pressure chemical vapor deposition system", <u>Journal of the Electrochemical Society</u> , 139, 2260-2263, (August 1992)
	Cowher, M., et al., "Low Temperature CVD Garnet Growth", <u>Journal of Crystal Growth</u> , 46, 399-402, (1979)
	Engqvist, J., et al., "Selective deposition of TiSi <sub>2</sub> from H <sub>2</sub> -TiCl <sub>4</sub> Gas mixtures and si: Aspects of Thermodynamics including Critical evaluation of thermochemical data in the Ti-Si System", <u>Journal of the Electrochemical Society</u> , 139, 3197-3205, (November 1992)
	Esquivel, A., et al., "Electrical and Physical Characteristics of Dry Oxygen, High Pressure Oxidation for SUB-0.5 um CMOS Isolation", <u>Abst. Int'l Electron Devices Meeting</u> , (1994)
	Herman, I., "Laser-Assisted Deposition of Thin Films from Gas-Phase and Surface-Adsorbed Molecules", <u>Chem. Rev.</u> , 89, 1323, 1346-1349, (1989)
	Ilderem, V., et al., "Optimized Deposition Parameters for Low Pressure Chemical Vapor Deposited Titanium Silicide", <u>J. Electrochemical Soc. : Solid State Science and Technology</u> , 2590-2596, (Oct. 1988)
	Lee, J., et al., "Plasma enhanced chemical vapor deposition of blanket TiSi <sub>2</sub> on oxide patterned wafers", <u>Journal of the Electrochemical Society</u> , 139, 1159-1165, (April 1992)
	Lie, L., et al., "High Pressure Oxidation of Silicon in Dry Oxygen", <u>J. Electrochemical Soc. : Solid State Science and Technology</u> , 129, 2828-2834, (Dec. 1982)
	Moeller, T., et al., "Semiconducting Elements, Ch. 30", In: <u>Chemistry with Inorganic Qualitative Analysis</u> , 2nd Edition, Academic Press, 995-996, (1984)
JV	Morosanu, C., <u>Thin Films by Chemical Vapor Deposition</u> , Elsevier, N.Y., 42-54 & 460-475, (1990)

Examiner	Date Considered
----------	-----------------

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*JJ*  
--Examiner  
Initial

OTHER DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages, Etc.)

- Panson, A., et al., "Chemical Vapor Deposition of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> Using Metalorganic Chelate Precursors", Appl. Phys. Lett., 53, 1756-1758, (October 1988)
- Rosler, R., et al., "Plasma-Enhanced CVD of Titanium Silicide", J. Vacuum Science Tech., B2(4), 733-737, (October/December 1988)
- Wolf, S., Silicon Processing for the VLSI Era, Vol. 2: Process Integration, Lattice Press, Sunset Beach, California, 202-203, (1990)
- JV*  
Yu, M., et al., "Surface Chemistry of the WF<sub>6</sub>- Based Chemical Vapor Deposition of Tungsten", IBM J. Research Development, 34, 875-883, (November 1990)

Examiner	Date Considered
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*Jeff Vodicka*

7-5-92

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PTO/SB/08A(10-01)

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Substitute for form 1449 PTO  
**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
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Complete if Known

Application Number	09/940917
Filing Date	August 28, 2001
First Named Inventor	Sandhu, Gurtej
Group Art Unit	2822
Examiner Name	Vockrodt, Jeff

Sheet 1 of 1

Attorney Docket No: 303.676US2

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
MW	US2001/0042505	11/22/2001	Vaarstra, Brian A.	117	104	07/18/2001
MW	US-4,994,410	02/19/1991	Sun, S. W., et al.	437	192	02/16/1990
MW	US-5,444,018	08/22/1995	Yost, D. J., et al.	437	190	10/13/1993
MW	US-5,846,881	12/08/1998	Sandhu, G. S., et al.	438	683	12/28/1995
MW	US-5,970,309	10/19/1999	Ha, Jung-min , et al.	438	3	10/15/1997
MW	US-6,140,230	10/31/2000	Li, W.	438	653	07/02/1998
MW	US-6,294,469	09/25/2001	Kulkarni, Milind , et al.	438	689	02/24/2000
MW	US-6,605,533	08/12/2003	Trivedi, Jigish			06/08/2001

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

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Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known																													
		<table border="1"> <tr> <td>Application Number</td> <td colspan="4">09/940917</td> </tr> <tr> <td>Filing Date</td> <td colspan="4">August 28, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td colspan="4">Sandhu, Gurtej</td> </tr> <tr> <td>Group Art Unit</td> <td colspan="4">2822</td> </tr> <tr> <td>Examiner Name</td> <td colspan="4">Vockrodt, Jeff</td> </tr> </table>					Application Number	09/940917				Filing Date	August 28, 2001				First Named Inventor	Sandhu, Gurtej				Group Art Unit	2822				Examiner Name	Vockrodt, Jeff			
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MW	US2002/0000662	01/03/2002	Sandhu, G S., et al.	257	754	08/28/2001
MW	US-6,153,490	11/28/2000	Xing, G , et al.	438	396	06/26/1998

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
MW	JP-40-7097679	04/11/1995	Fukui, H , et al.	C23 C	14/06	

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